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EXAMINER

CHOW, MING

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13

Please find below and/or attached an Office communication concerning this application or proceeding.

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<b>Office Action Summary</b>	<b>Application No.</b> 09/759,116	<b>Applicant(s)</b> BELL, IAN ANDREW	
	<b>Examiner</b> Ming Chow	<b>Art Unit</b> 2645	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1)  Responsive to communication(s) filed on 12 March 2003.
- 2a)  This action is FINAL.
- 2b)  This action is non-final.
- 3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4)  Claim(s) 1-35 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5)  Claim(s) \_\_\_\_\_ is/are allowed.
- 6)  Claim(s) 1-35 is/are rejected.
- 7)  Claim(s) \_\_\_\_\_ is/are objected to.
- 8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9)  The specification is objected to by the Examiner.
- 10)  The drawing(s) filed on \_\_\_\_\_ is/are: a)  accepted or b)  objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11)  The proposed drawing correction filed on \_\_\_\_\_ is: a)  approved b)  disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12)  The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All b)  Some \* c)  None of:
    - 1.  Certified copies of the priority documents have been received.
    - 2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    - 3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
  - a)  The translation of the foreign language provisional application has been received.
- 15)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1)  Notice of References Cited (PTO-892)
- 2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3)  Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4)  Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5)  Notice of Informal Patent Application (PTO-152)
- 6)  Other: \_\_\_\_\_.

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*Claim Rejections - 35 USC § 112*

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

The following shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

1. Claims 6, 7 and 32 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. The phrase “registration server” of claims 6, 7 and 32 are not disclosed by the specification. On line 21 page 9 the specifications disclosed “a user registers a MWID” without disclosing a “registration server” for the registration. In other words, the specifications did not disclose the registration was made on a registration server. The registration could have been made to a book, a piece of paper, a person, a tape, or others.

Also, the phrase “configuring said first registration server” is not supported by the specifications. On line 24 page 9, the specifications disclosed “configure the MWID” without disclosing the

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claimed “configuring said first registration server”. The MWID and the claimed “registration server” are two different elements in the invention.

2. Claim 26 is rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

The phrase “accessing a user profile” of claim 26 is not disclosed by the specification. Nowhere in the specifications disclosed “a user profile”.

Also, the phrase “identifying a subset of said communication waiting indication devices based on said first communication” is not supported by the specifications. Nowhere in the specifications disclosed this limitation.

Further, the phrase “initiating a first wireless signal to said subset of devices” is not supported by the specifications. Nowhere in the specifications disclosed this limitation.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1, 12, 13, 19, 20, 26 and 31 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The term “typically” is not clearly defined. The term “typically” does not define a specific limitation.

Also, the phrase “rounded square” is not clearly defined. The shape must be clearly defined.

*Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 5, 6, 8, 19 and 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini (US: 5987317), and in view of Perttunen et al (US: 5939699).

For claims 1, 19 and 31, regarding registering a first message-indicating device for a user, said device comprising an indicator, Venturini teaches on column 2 line 15 “a network with which the user terminal is registered”. Venturini also teaches on column 3 line 10 “this notification is provided to the user via a message displayed on the display of the user terminal”. The “display” of Venturini is the claimed “indicator”. The display and associated circuitries is the claimed “message-indicating device”.

Regarding receiving notification of receipt of a first communication directed to the user, Venturini teaches on column 3 line 6 “in response to receiving the first signal the user terminal notifies the user that at least one message is stored in the voice mailbox”. The “first signal” of Venturini is the claimed “notification of receipt of a first communication”.

Regarding initiating a first wireless signal to said device wherein in response to said first signal, said indicator activates to alert the user, Venturini teaches on column 3 line 4 “the message station transmits a first signal”. The “transmits a first signal” of Venturini is the claimed

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“initiating a first wireless signal”. Venturini teaches on column 3 line 6 “in response to receiving the first signal the user terminal notifies the user that at least one message is stored in the voice mailbox”. The “notifies the user” of Venturini is the claimed “alert the user”.

Venturini failed to teach “said first message-indicating.....wide by .3” thick”. However, Perttunen et al teach on Fig. 2 a rounded square shape display device. Perttunen et al also teach on column 4 line 53-55 the rounded square shape display device has a size as a credit card so Perttunen’s display device reads on the claimed “said first message-indicating.....wide by .3” thick” because a credit-card-size display device is “typically” the same as the claimed dimension. Therefore, it would have been obvious to one skilled at the time the invention was made to modify Venturini’s device by selecting a rounded square shape with a dimension as taught by Perttunen et al. Since changing in size and shape of an old device is just obvious design choice, it would be obvious and beneficial for one skilled in the art to make a portable device like Perttunen suggested.

Regarding claim 5, Venturini teaches on column 10 line 12 “identifier tag information may be included in a registration message”. The “identifier tag” of Venturini is the claimed “identification code”. Venturini also teaches on column 10 line 16 “the identifier tag information in this case may specify, by example, ‘Work Office System’”. Venturini further teaches on column 10 line 31 “the identifier tag information in this case may specify, by example, ‘Public System’”. The “Work Office System” and “Public System” of Venturini are the claimed “one or more types of communications”.

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Regarding claim 6, Venturini teaches on column 10 line 26 “stores the identifier tag information in the memory”. The “identifier tag information” of Venturini is the claimed “identification code and said association”. The “memory (of mobile terminal) of Venturini is the claimed “first registration server”. Venturini also teaches on column 10 line 53 “a menu function is entered which prompts the user to either specify an identifier tag for the public network voice mailbox or to indicate that the user does not wish to specify an identifier tag”. The “user to enter” of Venturini is the claimed “configuring”. Venturini further teaches on column 2 line 59 “a user of the user terminal can be notified if there are messages stored in a voice mailbox”. Venturini further teaches on column 13 line 11 “the teaching of this invention may also be employed in other suitable types of communications system.....with the network having a memory storing the messages”.

Regarding claim 8, Venturini teaches on column 2 line 59 “a user of the user terminal can be notified if there are messages stored in a voice mailbox”. The “messages stored in a voice mailbox’ of Venturini is the claimed “voice-mail message”.

5. Claims 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini and Perttunen et al as applied to claim 1 above, and in view of Neustein (US-PAT-NO: 6,418,305).

Regarding claim 2, Venturini and Perttunen et al failed to teach initiating a second wireless signal to said device; wherein in response to said second signal said indicator deactivates. However, Neustein teaches on column 14 line 10 “this feature automatically sets a

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'voice message' indicator at the pager apparatus. It is subsequently turned off by the transmitting station after the voice message has been retrieved by calling the central station". The "turn off" of Neustein is the claimed "deactivate". It is inherent that the transmitting station must initiate a (claimed "second") wireless signal to the pager (claimed "device") to turn off the indicator. It would have been obvious to one skilled at the time the invention was made to modify Venturini and Perttunen et al to have the initiating a second wireless signal to said device; wherein in response to said second signal said indicator deactivates as taught by Neustein such that the modified system of Venturini and Perttunen et al would be able to support the initiating a second wireless signal to said device; wherein in response to said second signal said indicator deactivates to the system users.

Regarding claim 3, the modified system of Venturini in view of Perttunen et al and Neustein as stated in claim 2 above failed to teach second wireless signal is initiated after the user accesses said first communication. However, Neustein teaches on column 14 line 10 "this feature automatically sets a 'voice message' indicator at the pager apparatus. It is subsequently turned off by the transmitting station after the voice message has been retrieved by calling the central station". The "voice message" of Neustein is the claimed "first communication". It would have been obvious to one skilled at the time the invention was made to modify Venturini, Perttunen et al and Neustein to have the second wireless signal is initiated after the user accesses said first communication as taught by Neustein such that the modified system of Venturini, Perttunen et al and Neustein would be able to support the second wireless signal is initiated after the user accesses said first communication to the system users.



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6. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini and Perttunen et al as applied to claim 1 above, and in view of Schull et al (US-PAT-NO: 5,363,431). Venturini and Perttunen et al failed to teach indicator deactivates in response to manipulation of the device by the user. However, Schull et al teach on column 5 line 66 “a subscriber location after retrieving any waiting message can then activate the button and deactivate the indicator”. The “activate the button” of Schull is the claimed “manipulation”. It would have been obvious to one skilled at the time the invention was made to modify Venturini and perttunen et al to have the indicator deactivates in response to manipulation of the device by the user as taught by Schull et al such that the modified system of Venturini and perttunen et al would be able to support the indicator deactivates in response to manipulation of the device by the user to the system users.

7. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini and perttunen et al as applied to claim 5 above, and in view of Jyogataki et al (US-PAT-NO: 6,192,251). Venturini and Perttunen et al failed to teach storing said identification code and said association on a first registration server; receiving from the user a selection of one or more criteria identifying when said first signal should be sent in response to receipt of a first type of communication; and configuring said first registration server to automatically initiate said first wireless signal to said device when: it is determined that said first type of communication is received for the user; and said one or more criteria are satisfied. However, Jyogataki et al teach on Fig. 4 “PHS Terminal PS1” and item S14 (Input State)”. The “PHS Terminal PS1” of Jyogataki is the claimed “the user”. The “input state” of Fig. 4 of Jyogataki is the claimed

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“receiving from the user a selection of one or more criteria”. It would have been obvious to one skilled at the time the invention was made to modify Venturini and Perttunen et al to have the storing said identification code and said association on a first remote server; receiving from the user a selection of one or more criteria identifying when said first signal should be sent in response to receipt of a first type of communication; and configuring said first remote server to automatically initiate said first wireless signal to said device when: it is determined that said first type of communication is received for the user; and said one or more criteria are satisfied as taught by Jyogataki et al such that the modified system of Venturini and Perttunen et al would be able to support the storing said identification code and said association on a first remote server; receiving from the user a selection of one or more criteria identifying when said first signal should be sent in response to receipt of a first type of communication; and configuring said first remote server to automatically initiate said first wireless signal to said device when: it is determined that said first type of communication is received for the user; and said one or more criteria are satisfied to the system users.

8. Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini and perttunen et al as applied to claim 5 above, and in view of LuPorta et al (US-PAT-NO: 5,918,158). Venturini and Perttunen et al failed to teach first communication is an electronic mail message. However, LuPorta et al teach on column 5 line 18 “an electronic mail to a computer”. It would have been obvious to one skilled at the time the invention was made to modify Venturini and Perttunen et al to have the first communication is an electronic mail message as taught by

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LuPorta et al such that the modified system of Venturini and Perttunen et al would be able to support the first communication is an electronic mail message to the system users.

9. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini and perttunen et al as applied to claim 1 above, and in view of Houggy et al (US-PAT-NO: 5,838,226). Venturini and perttunen et al failed to teach registering a second message-indicating device for the user; and initiating said first signal to said second device when said first signal is initiated to said first device. However, Houggy et al teach on column 38 line 36 “transmitting the first signal with the first device to each of the second devices at the same time”. It would have been obvious to one skilled at the time the invention was made to modify Venturini and perttunen et al to have the registering a second message-indicating device for the user; and initiating said first signal to said second device when said first signal is initiated to said first device as taught by Houggy et al such that the modified system of Venturini and perttunen et al would be able to support the registering a second message-indicating device for the user; and initiating said first signal to said second device when said first signal is initiated to said first device to the system users.

10. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini and Perttunen et al as applied to claim 1 above, and in view of Homan et al (US-PAT-NO: 6,317,485). Venturini and perttunen et al failed to teach registering a second message-indicating device for the user; and initiating said first signal to said second device when notification of receipt of a second communication directed to the user is received, but not when said notification

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of said first communication is received. However, Homan et al teach on column 8 line 12 “the message store provider provides the subscriber with a mechanism to identify which types of messages should trigger notification”. The types of messages that do not trigger notification of Homan is the claimed “first communication”. The types of messages that do trigger notification of Homan is the claimed “second communication”. The “notification” of Homan is the claimed “first signal”. Homa et al also teach on column 7 line 11 “additional sub-menu choices corresponding to the available notify choices: paging notify, outcall notify, e-mail notify, lamp notify, and stutter tone notify”. The device of receiving notification of Homan is the claimed “second message-indicating device”. It is inherent that the second message-indicating device must be registered for receiving the notification. It would have been obvious to one skilled at the time the invention was made to modify Venturini and Perttunen et al to have the registering a second message-indicating device for the user; and initiating said first signal to said second device when notification of receipt of a second communication directed to the user is received, but not when said notification of said first communication is received as taught by Homan et al such that the modified system of Venturini and Perttunen et al would be able to support the registering a second message-indicating device for the user; and initiating said first signal to said second device when notification of receipt of a second communication directed to the user is received, but not when said notification of said first communication is received to the system users.

11. Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini, and in view of Perttunen et al (US: 5939699) and Neustein (US-PAT-NO: 6,418,305).

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Regarding receiving a communication directed to a user; initiating a first electronic signal to a first message-waiting device associated with the user, wherein said first message-waiting device includes an indicator and said first electronic signal is configured to activate said indicator; providing said communication to said user, all rejections stated in claim 1 above apply.

Venturini failed to teach after said providing, automatically initiating a second electronic signal to said first message-waiting device, wherein said second electronic signal is configured to deactivate said indicator. However, Neustein teaches on column 14 line 10 “this feature automatically sets a ‘voice message’ indicator at the pager apparatus. It is subsequently turned off by the transmitting station after the voice message has been retrieved by calling the central station”. The “turned off” of Neustein is the claimed “deactivate”. It is inherent that the transmitting station must initiate a (claimed “second”) wireless signal to the pager (claimed “device”) to turn off the indicator.

Venturini failed to teach “said first message-indicating.....wide by .3” thick”. However, Perttunen et al teach on Fig. 2 a rounded square shape display device. Perttunen et al also teach on column 4 line 53-55 the rounded square shape display device has a size as a credit card (similar to the claimed size .5” long by .5” wide by .3 thick). It is obvious to one skilled in the art the dimension is a matter of decide choice.

It would have been obvious to one skilled at the time the invention was made to modify Venturini to have the after said providing, automatically initiating a second electronic signal to said first message-waiting device, wherein said second electronic signal is configured to deactivate said indicator, and “said first message-indicating.....wide by .3” thick” as taught by Neustein and Perttunen et al such that the modified system of Venturini would be able to support

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the after said providing, automatically initiating a second electronic signal to said first message-waiting device, wherein said second electronic signal is configured to deactivate said indicator, and rounded square shape and the dimension to the system users.

12. Claims 13 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini, and in view of Perttunen et al (US: 5939699) and Kyte (US-PAT-NO: 6,313,733).

For claim 13, regarding receiving a first wireless signal at a first message-indicating device; activating in response to said first wireless signal; and deactivating, the rejections stated in claim 1 above apply.

Venturini failed to teach the alarm. However, Kyte teaches on column 3 line 5 “a channel signal light corresponding to the pager....visually indicating which pager’s panic button has been activated. An audible alarm is also emitted through a speaker on the transmitter unit”.

Venturini failed to teach “said first message-indicating.....wide by .3” thick”. However, Perttunen et al teach on Fig. 2 a rounded square shape display device. Perttunen et al also teach on column 4 line 53-55 the rounded square shape display device has a size as a credit card (similar to the claimed size .5” long by .5” wide by .3 thick). It is obvious to one skilled in the art the dimension is a matter of decide choice.

It would have been obvious to one skilled at the time the invention was made to modify Venturini to have the alarm, and “said first message-indicating.....wide by .3” as taught by Kyte and Perttunen et al such that the modified system of Venturini would be able to support the alarm, and rounded square shape and the dimension to the system users.

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Regarding claim 17, Venturini teaches on column 10 line 12 “identifier tag information may be included in a registration message”. The “identifier tag” of Venturini is the claimed “identification code”. Venturini also teaches on column 10 line 16 “the identifier tag information in this case may specify, by example, ‘Work Office System’”. Venturini further teaches on column 10 line 31 “the identifier tag information in this case may specify, by example, ‘Public System’”. The “Work Office System” and “Public System” of Venturini are the claimed “one of multiple types of communications”.

13. Claims 14 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini, Perttunen et al and Kyte as applied to claim 13 above, and in view of Neustein (US-PAT-NO: 6,418,305).

Regarding claim 14, Venturini, Perttunen et al and Kyte failed to teach deactivating said alarm comprises deactivating said alarm in response to a second wireless signal. However, Neustein teaches on column 14 line 10 “this feature automatically sets a ‘voice message’ indicator at the pager apparatus. It is subsequently turned off by the transmitting station after the voice message has been retrieved by calling the central station”. The “turn off” of Neustein is the claimed “deactivate”. It is inherent that the transmitting station must initiate a (claimed “second”) wireless signal to the pager (claimed “device”) to turn off the indicator. It would have been obvious to one skilled at the time the invention was made to modify Venturini, Perttunen et al and Kyte to have the deactivating said alarm comprises deactivating said alarm in response to a second wireless signal as taught by Neustein such that the modified system of Venturini,

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perttunen et al and Kyte would be able to support the deactivating said alarm comprises deactivating said alarm in response to a second wireless signal to the system users.

Regarding claim 15, the modified system of Venturini, Perttunen et al in view of Kyte and further in view of Neustein stated in claim 14 above failed to teach second signal is received after the user accesses said first communication. However, Neustein teaches on column 14 line 10 “this feature automatically sets a ‘voice message’ indicator at the pager apparatus. It is subsequently turned off by the transmitting station after the voice message has been retrieved by calling the central station”. The “voice message” of Neustein is the claimed “first communication”. It would have been obvious to one skilled at the time the invention was made to modify Venturini, Perttunen et al and Kyte to have the second signal is received after the user accesses said first communication as taught by Neustein such that the modified system of Venturini, Perttunen et al and Kyte would be able to support the second signal is received after the user accesses said first communication to the system users.

14. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini, Perttunen et al and Kyte as applied to claim 13 above, and in view of Schull et al (US-PAT-NO: 5,363,431). Venturini, Perttunen et al and Kyte failed to teach deactivating said alarm comprises deactivating said alarm in response to manipulation of the first device by the user. However, Schull et al teach on column 5 line 66 “a subscriber location after retrieving any waiting messages can then activate the button and deactivate the indicator”. The “activate the button” of Schull is the claimed “manipulation”. It would have been obvious to one skilled at the time the



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invention was made to modify Venturini, Perttunen et al and Kyte to have the deactivating said alarm comprises deactivating said alarm in response to manipulation of the first device by the user as taught by Schull et al such that the modified system of Venturini, perttunen et al and Kyte would be able to support the deactivating said alarm comprises deactivating said alarm in response to manipulation of the first device by the user to the system users.

15. Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini, Perttunen et al and Kyte as applied to claim 17 above, and in view of Houggy et al (US-PAT-NO: 5,838,226). Venturini, Perttunen et al and Kyte failed to teach registering a second message-indicating device for activation in response to receipt of one of said multiple types of communications; receiving a first wireless signal at said second message-indicating device immediately after said receipt of said first wireless signal at said first device, wherein said second device includes an alarm; and activating said alarm of said second device in response to said first wireless signal. However, Houggy et al teach on column 38 line 36 "transmitting the first signal with the first device to each of the second devices at the same time". It would have been obvious to one skilled at the time the invention was made to modify Venturini, perttunen et al and Kyte to have the registering a second message-indicating device for activation in response to receipt of one of said multiple types of communications; receiving a first wireless signal at said second message-indicating device immediately after said receipt of said first wireless signal at said first device, wherein said second device includes an alarm; and activating said alarm of said second device in response to said first wireless signal as taught by Houggy et al such that the modified system of Venturini, Perttunen et al and Kyte would be able to support the registering a

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second message-indicating device for activation in response to receipt of one of said multiple types of communications; receiving a first wireless signal at said second message-indicating device immediately after said receipt of said first wireless signal at said first device, wherein said second device includes an alarm; and activating said alarm of said second device in response to said first wireless signal to the system users.

16. Claims 20 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini, and in view of Perttunen et al (US: 5939699) and Neustein (US-PAT-NO: 6,418,305).

For claim 20, regarding a signal receiver configured to receive a first wireless signal generated after receipt of a communication; and an indicator configured to activate in response to receipt of said first signal;, all rejections stated in claim 1 above apply.

Venturini failed to teach said indicator is configured to deactivate in response to a second signal. However, Neustein teaches on column 14 line 10 “this feature automatically sets a ‘voice message’ indicator at the pager apparatus. It is subsequently turned off by the transmitting station after the voice message has been retrieved by calling the central station”. The “turn off” of Neustein is the claimed “deactivate”. It is inherent that the transmitting station must initiate a (claimed “second”) wireless signal to the pager (claimed “device”) to turn off the indicator.

Venturini failed to teach “said first message-indicating.....wide by .3” thick”. However, Perttunen et al teach on Fig. 2 a rounded square shape display device. Perttunen et al also teach on column 4 line 53-55 the rounded square shape display device has a size as a credit card (similar to the claimed size .5” long by .5” wide by .3 thick). It is obvious to one skilled in the art the dimension is a matter of decide choice.

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It would have been obvious to one skilled at the time the invention was made to modify Venturini to have the said indicator is configured to deactivate in response to a second signal, and “said first message-indicating.....wide by .3” as taught by Neustein and Perttunen et al such that the modified system of Venturini would be able to support the said indicator is configured to deactivate in response to a second signal, and the rounded square shape and the dimension to the system users.

Regarding claim 21, the modified system of Venturini in view of Perttunen et al and Neustein as stated in claim 20 above failed to teach second signal is a wireless signal. However, Neustein teaches on column 14 line 10 “this feature automatically sets a ‘voice message’ indicator at the pager apparatus. It is subsequently turned off by the transmitting station after the voice message has been retrieved by calling the central station”. The “turn off” of Neustein is the claimed “deactivate”. It is inherent that the transmitting station must initiate a (claimed “second”) wireless signal to the pager (claimed “device”) to turn off the indicator.

It would have been obvious to one skilled at the time the invention was made to modify Venturini, Perttunen et al and Neustein to have the second signal is a wireless signal as taught by Neustein such that the modified system of Venturini, Perttunen et al and Neustein would be able to support the second signal is a wireless signal to the system users.

17. Claims 22 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini, Perttunen et al and Neustein as applied to claim 20 above, and in view of Schull et al (US-PAT-NO: 5,363,431).

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Regarding claim 22, Venturini, Perttunen et al and Neustein failed to teach a switch configured to issue said second signal in response to user manipulation. However, Schull et al teach on column 5 line 66 “a subscriber location after retrieving any waiting messages can then activate the button and deactivate the indicator”. The “activate the button” of Schull is the claimed “manipulation”. It would have been obvious to one skilled at the time the invention was made to modify Venturini, Perttunen et al and Neustein to have a switch configured to issue said second signal in response to user manipulation as taught by Schull et al such that the modified system of Venturini, Perttunen et al and Neustein would be able to support a switch configured to issue said second signal in response to user manipulation to the system users.

Regarding claim 23, the modified system of Venturini, Perttunen et al in view of Neustein and further in view of Schull et al as stated in claim 22 above failed to teach indicator comprises said switch. However, Schull et al teach on column 5 line 66 “a subscriber location after retrieving any waiting messages can then activate the button and deactivate the indicator”. The “button” of Schull et al is the claimed “switch”. It would have been obvious to one skilled at the time the invention was made to modify Venturini, Perttunen et al and Neustein to have the indicator comprises said switch as taught by Schull et al such that the modified system of Venturini, Perttunen et al and Neustein would be able to support the indicator comprises said switch to the system users.

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18. Claims 24 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini, Perttunen et al and Neustein as applied to claim 20 above, and in view of Kyte (US-PAT-NO: 6,313,733).

Regarding claim 24, Venturini, Perttunen et al and Neustein failed to teach indicator is a visual indicator. However, Kyte teaches on column 5 line 1 “on a side of each receiver unit is a message indicator light for visually indicating when a message has been recorded”. It would have been obvious to one skilled at the time the invention was made to modify Venturini, Perttunen et al and Neustein to have the indicator is a visual indicator as taught by Kyte such that the modified system of Venturini, Perttunen et al and Neustein would be able to support the indicator is a visual indicator to the system users.

Regarding claim 25, Venturini, Perttunen et al and Neustein failed to teach indicator is an audible indicator. However, Kyte teaches on column 3 line 8 “an audible alarm is also emitted through a speaker on the transmitter unit”. It would have been obvious to one skilled at the time the invention was made to modify Venturini, Perttunen et al and Neustein to have the indicator is an audible indicator as taught by Kyte such that the modified system of Venturini, Perttunen et al and Neustein would be able to support the indicator is an audible indicator to the system users.

19. Claims 26 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Spielman et al (US: 6560318), and in view of Perttunen et al (US: 5939699).

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Regarding “receiving notification of a first communication for a first user”, Spielman et al teach on column 3 line 29-31 delivering notification for unified messaging systems over a broad range of notification devices.

Regarding “accessing a user profile.....an indicator; identifying a subset.....first communication; and initiating a first wireless signal.....are actuated”, Spielman et al teach on column 10 line 24 to column 11 line 27 the subscriber profile specifies the notification preferences. A paging notification (claimed “wireless signal”) is sent to multiple devices (claimed ‘subset of devices’) as a notification.

Spielman et al failed to teach “said first message-indicating.....wide by .3” thick”. However, Perttunen et al teach on Fig. 2 a rounded square shape display device. Perttunen et al also teach on column 4 line 53-55 the rounded square shape display device has a size as a credit card (similar to the claimed size .5” long by .5” wide by .3 thick). It is obvious to one skilled in the art the dimension is a matter of decide choice.

It would have been obvious to one skilled at the time the invention was made to modify Spielman et al as a matter of decide choice to have the “said first message-indicating.....wide by .3” thick” as taught by Perttunen et al such that the modified system of Spielman et al would be able to support the rounded square shape and the dimension to the system users.

20. Claims 27 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Spielman et al and Perttunen et al as applied to claim 26 above, and in view of Neustein (US-PAT-NO: 6,418,305).

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Regarding claim 27, Spielman et al and Perttunen et al failed to teach initiating a second wireless signal to said subset of devices, wherein in response to said second wireless signal said indicators of said subset of devices are de-actuated. However, Neustein teaches on column 14 line 10 “this feature automatically sets a ‘voice message’ indicator at the pager apparatus. It is subsequently turned off by the transmitting station after the voice message has been retrieved by calling the central station”. The “turn off” of Neustein is the claimed “deactivate”. It is inherent that the transmitting station must initiate a (claimed “second”) wireless signal to the pager (claimed “device”) to turn off the indicator. It would have been obvious to one skilled at the time the invention was made to modify Spielman et al and Perttunen et al to have the initiating a second wireless signal to said subset of devices, wherein in response to said second wireless signal said indicators of said subset of devices are de-actuated as taught by Neustein such that the modified system of Spielman et al and Perttunen et al would be able to support the initiating a second wireless signal to said subset of devices, wherein in response to said second wireless signal said indicators of said subset of devices are de-actuated to the system users.

Regarding claim 28, the modified system of Spielman et al in view of Perttunen et al and Neustein as stated in claim 27 above failed to teach second wireless signal is initiated in response to acknowledgement of said first communication by said first user. However, Neustein teaches on column 14 line 10 “this feature automatically sets a ‘voice message’ indicator at the pager apparatus. It is subsequently turned off by the transmitting station after the voice message has been retrieved by calling the central station”. The “voice message” of Neustein is the claimed “first communication”. It would have been obvious to one skilled at the time the invention was

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made to modify Spielman et al and Perttunen et al to have the second wireless signal is initiated in response to acknowledgement of said first communication by said first user as taught by Neustein such that the modified system of Spielman et al and perttunen et al would be able to support the second wireless signal is initiated in response to acknowledgement of said first communication by said first user to the system users.

21. Claim 29 is rejected under 35 U.S.C. 103(a) as being unpatentable over Spielman et al and perttunen et al as applied to claim 26 above, and in view of Kyte (US-PAT-NO: 6,313,733). Spielman et al and perttunen et al failed to teach a first device in said subset of devices comprises a switch, the method further comprising: de-actuating said indicator of said first device in response to manipulation of said switch. However, Kyte teaches on column 5 line 7 “the transmitter and receiver units are selectively activated using a power switch and each are powered with a battery means”. It is inherent that the indicator must deactivate in response to manipulation (power switch off or removal of batteries) of the device by the user. Kyte further teaches on column 4 line 29 “apparent to those skilled in the art, any number of light means, switches and buttons may be provided without departing from the spirit of the present invention”. It would have been obvious to one skilled at the time the invention was made to modify Spielman et al and Perttunen et al to have a first device in said subset of devices comprises a switch, the method further comprising: de-actuating said indicator of said first device in response to manipulation of said switch as taught by Kyte such that the modified system of Spielman et al and perttunen et al would be able to support a first device in said subset



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of devices comprises a switch, the method further comprising: de-actuating said indicator of said first device in response to manipulation of said switch to the system users.

22. Claim 32 is rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini and Perttunen et al as applied to claim 31 above, and in view of Kyte (US-PAT-NO: 6,313,733) and further in view of Jyogataki et al (US-PAT-NO: 6,192,251).

Venturini and Perttunen et al failed to teach said first communication in response to which said first wireless signal is to be initiated toward said first device. However, Kyte teaches on column 2 line 20 “each discrete frequency transmission signal will communicate with a separate child pager/receiver device”. The “discrete frequency transmission signal” is the claimed “identification code”. The “discrete frequency transmission signal” must be unique in order to separate the communicating pager/receiver device. The “communicate with a separate child pager/receiver device” of Kyte is the claimed “one or more types of communications”. Each type of communication (communicate with a separate pager/receiver of Kyte) must be associated with its identification code.

Venturini and Perttunen et al failed to teach a first registration server configured to store said identification code in association with a first user profile for the first user. However, Jyogataki et al teach on Fig. 5 and column 5 line 19 “the recall data includes a caller number for identifying the terminal....the other party ID for identifying the other party , state designation information for designating the state of the other party to be notified in the recall. The “caller number for identifying the terminal” of Jyogataki et al is the claimed “identification”. The “state designation information” of Jyogataki et al is the claimed “association”. The Fig. 5 shows the

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server where the “caller number for identifying the terminal” and “state designation information” of Jyogataki are stored. The item S40 of Fig. 5 of Jyogataki shows the server is configured to initiate said first wireless signal (recall PHS terminal PS1 of Jyogataki). The server described on Fig. 5 is a registration (relative to the PHS terminal) server.

It would have been obvious to one skilled at the time the invention was made to modify Venturini and Perttunen et al to have the said first communication in response to which said first wireless signal is to be initiated toward said first device, and a first registration server configured to store said identification code in association with a first user profile for the first user as taught by Kyte and Jyogataki such that the modified system of Venturini and Perttunen et al would be able to support the said first communication in response to which said first wireless signal is to be initiated toward said first device, and a first registration server configured to store said identification code in association with a first user profile for the first user to the system users.

23. Claim 33 is rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini and Perttunen et al as applied to claim 31 above, and in view of Kyte (US-PAT-NO: 6,313,733) and further in view of Houggy et al (US-PAT-NO: 5,838,226).

Venturini and Perttunen et al failed to teach said alarm of said second device is also activated in response to said first wireless signal. However, Kyte teaches on column 3 line 5 a channel signal light corresponding to the pager....visually indicating which pager's panic button has been activated. An audible alarm is also emitted through a speaker on the transmitter unit.

Venturini and Perttunen et al failed to teach a second communication waiting indication device associated with the first user, said second device comprising an alarm. However, Houggy

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et al teach on column 38 line 36 transmitting the first signal with the first device to each of the second device at the same time.

It would have been obvious to one skilled at the time the invention was made to modify Venturini and Perttunen et al to have the said alarm of said second device is also activated in response to said first wireless signal and a second communication waiting indication device associated with the first user, said second device comprising an alarm as taught by Kyte and Houggy such that the modified system of Venturini and Perttunen et al would be able to support the said alarm of said second device is also activated in response to said first wireless signal and a second communication waiting indication device associated with the first user, said second device comprising an alarm to the system users.

24. Claim 34 is rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini and Perttunen et al as applied to claim 31 above, and in view of Kyte (US-PAT-NO: 6,313,733) and further in view of Homan et al (US-PAT-NO: 6,317,485).

Venturini and Perttunen et al failed to teach a second message waiting indication device associated with the first user, said second device comprising an alarm. However, Kyte teaches on column 3 line 5 a channel signal light corresponding to the pager...visually indicating which pager's panic button has been activated. An audible alarm is also emitted through a speaker on the transmitter unit.

Venturini and Perttunen et al failed to teach said alarm of said second device is not activated in response to said first wireless signal. However, Homa et al teach on column 8 line 12 the message store provider provides the subscriber with a mechanism to identify which types of

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messages should trigger notification. The notification triggered by the types of messages of Homan is the claimed "first wireless signal". The alarm of device (claimed second device) of which receives messages that do not trigger the notification is not activated.

It would have been obvious to one skilled at the time the invention was made to modify Venturini and Perttunen et al to have a second message waiting indication device associated with the first user, said second device comprising an alarm, and said alarm of said second device is not activated in response to said first wireless signal as taught by Kyte and Homan such that the modified system of Venturini and Perttunen et al would be able to support a second message waiting indication device associated with the first user, said second device comprising an alarm, and said alarm of said second device is not activated in response to said first wireless signal to the system users.

25. Claim 35 is rejected under 35 U.S.C. 103(a) as being unpatentable over Venturini and Perttunen et al as applied to claim 31 above, and in view of Neustein (US-PAT-NO: 6,418,305). Venturini and Perttunen et al failed to teach said notification server initiates a second wireless signal toward said first device after the first user acknowledges said first communication; and wherein in response to said second wireless signal alarm is deactivated. However, Neustein teaches on column 14 line 10 this feature automatically sets a "voice message" indicator at the pager apparatus. It is subsequently turned off by the transmitting station after the voice message has been retrieved by calling the central station. The "turn off" of Neustein is the claimed "deactivate". It is inherent that the transmitting station must initiate a (claimed "second") wireless signal to the pager (claimed "device") to turn off the indicator. The "voice message" of

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Neustein of the claimed "first communication". It would have been obvious to one skilled at the time the invention was made to modify Venturini and Perttunen et al to have the said notification server initiates a second wireless signal toward said first device after the first user acknowledges said first communication; and wherein in response to said second wireless signal alarm is deactivated as taught by Neustein such that the modified system of Venturini and Perttunen et al would be able to support the said notification server initiates a second wireless signal toward said first device after the first user acknowledges said first communication; and wherein in response to said second wireless signal alarm is deactivated to the system users.

### *Response to Arguments*

26. Applicant's arguments filed on 3/12/03 have been fully considered but they are not persuasive.

- i) Applicant argues, on page 8, regarding specific shape and dimension. On line 4-5 page 9 of the specifications, the dimensions of the MWID was disclosed as "may be approximately .5" long by .5" wide by .3" thick". The claimed dimension is not a definite dimension for the invention. The claimed invention can be made with other reasonable dimensions. It is obvious to one skill in the art to make the invention with other dimensions. Therefore, this limitation as claimed is rejected.

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- ii) Applicant argues, on page 7, regarding claims 6-7 and 32. The amended limitation “registration server” is rejected as it is not supported by the specifications. See rejections as stated above.
- iii) Applicant argues, on page 8, regarding claim 6. The “memory” (of mobile terminal) of Venturini is for storing (registering) the “identifier tag information”. Therefore, the “memory” is the claimed “registration server”.
- iv) Applicant argues, on page 11, regarding claim 11. The “registering a first message-indicating device” has been taught by the primary reference (Venturini) in claim 1. The teaching reference (Homan et al) teaches a second (different from the first indicating device) message-indicating device that meets claimed limitations in claim 11. In combination of Venturini and Homan et al both first and second message-indicating devices are registered.
- v) Applicant argues, on page 9, regarding claims 26 and 30. A new reference (Spielman et al) is cited for this rejection.
- vi) Applicant argues, on page 18, regarding claim 34. The teaching reference teaches a second (different from the first indicating device) message-indicating device that meets claimed limitations in claim 34. In combination of primary and secondary references both first and second message-indicating devices are taught.

***Conclusion***

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27. The prior art made of record and not replied upon is considered pertinent to applicant's disclosure.

- Beyda et al (US: 6556666) teach notification system for multimedia messaging system.

28. Any inquiry concerning this communication or earlier communication from the examiner should be directed to the examiner Ming Chow whose telephone number is (703) 305-4817. The examiner can normally be reached on Monday through Friday from 8:30 am to 5 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang, can be reached on (703) 305-4895. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Customer Service whose telephone number is (703) 306-0377. Any inquiry of a general nature or relating to the status of this application or proceeding should be mailed to:

**Commissioner of Patents and Trademarks**

**Washington, D.C. 20231**

**Or faxed to TC2600's Customer Service FAX Number 703-872-9314.**

Patent Examiner

Art Unit 2645

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